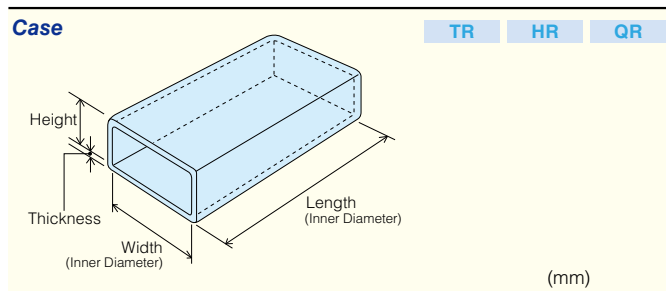


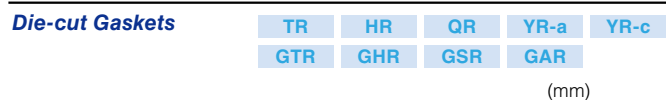
SARCON®	Construction	Thickness (mm)	Sheet (mm)
<b>QR</b>	30Q	0.3 + 0.1/-0	(see P.12)
	45Q	0.45 ± 0.05	
	85Q	0.85 ± 0.05	
<b>TR</b>	30T	0.3 + 0.1/-0	(see P.12)
	45T	0.45 ± 0.05	
	85T	0.85 ± 0.05	
<b>HR</b>	30H	0.3 + 0.1/-0	(see P.12)
	45H	0.45 ± 0.05	
	85H	0.85 ± 0.05	
<b>YR-a</b>	20Y-a	0.2 ± 0.05	(see P.12)
	30Y-a	0.3 + 0.1/-0	
	45Y-a	0.45 ± 0.05	
	85Y-a	0.85 ± 0.05	
<b>YR-c</b>	20Y-b	0.2 ± 0.05	(see P.12)
	30Y-b	0.3 + 0.1/-0	
	45Y-b	0.45 ± 0.05	
<b>GTR</b>	15GTR	0.15 + 0.02/-0.04	(see P.12)
	20GTR	0.2 + 0.02/-0.04	
	30GTR	0.3 + 0.1/-0	
<b>GHR</b>	15GHR	0.15 + 0.02/-0.04	(see P.12)
	20GHR	0.2 + 0.02/-0.04	
	30GHR	0.3 + 0.1/-0	
<b>GSR</b>	20GSR	0.2 ± 0.05	310 x 310 (see P.12)
	30GSR	0.3 + 0.1/-0	
	45GSR	0.45 ± 0.05	
	85GSR	0.85 ± 0.05	
<b>GAR</b>	20GAR	0.2 ± 0.05	(see P.12)
	30GAR	0.3 + 0.1/-0	
	45GAR	0.45 ± 0.05	

<b>Tube</b>					
	TR	HR	QR	YR-a	YR-c
(mm)					
Part Number	Usable Transistors	Thickness	Inner Diameter	Length	Ordering unit
30(series)-11-25L 30(series)-11-30L	TO-220 type	0.30 <sup>+0.1</sup> / <sub>-0</sub>	φ 11±1	25±1, 30±1	500 integral multiples
45(series)-11-25L 45(series)-11-30L		0.45±0.05	φ 11±1	25±1, 30±1	
85(series)-11-25L 85(series)-11-30L		0.85±0.05	φ 11±1	25±1, 30±1	
30(series)-13.5-25L 30(series)-13.5-30L	TO-3P type	0.30 <sup>+0.1</sup> / <sub>-0</sub>	φ 13.5±1	25±1, 30±1	500 integral multiples
45(series)-13.5-25L 45(series)-13.5-30L		0.45±0.05	φ 13.5±1	25±1, 30±1	
85(series)-13.5-25L 85(series)-13.5-30L		0.85±0.05	φ 13.5±1	25±1, 30±1	

<b>Tape</b>				
	TR	HR	QR	YR-a
	YR-c	GTR	GHR	GAR
(mm)				
Part Number	Thickness	Width	Ordering unit	
30(series)-36W	0.30 <sup>+0.1</sup> / <sub>-0</sub>	36±1	100m integral multiples	
30(series)-85W		85±3		
45(series)-36W	0.45±0.05	36±1	50m integral multiples	
45(series)-85W		85±3		
85(series)-36W	0.85±0.05	36±1	50m integral multiples	
85(series)-85W		85±3		



Part Number	Usable Transistors	Thickness	Dimensions	Ordering unit
30(series)-TO-220-02225	TO-220 type	0.30 <sup>+0.1</sup> / <sub>-0</sub>		500 integral multiples
45(series)-TO-220-01220		0.45 <sup>+0.1</sup> / <sub>-0.05</sub>		
90(series)-TO-220-01220		0.90 <sup>+0.15</sup> / <sub>-0.1</sub>		
30(series)-TO-3P-03281		0.30 <sup>+0.1</sup> / <sub>-0</sub>		
50(series)-TO-3P-02275		0.50 <sup>+0.05</sup> / <sub>-0.1</sub>		
90(series)-TO-3P-01280	TO-3P type	0.90 <sup>+0.15</sup> / <sub>-0.1</sub>		500 integral multiples
90(series)-TO-3P-01340		0.90 <sup>+0.1</sup> / <sub>-0.1</sub>		



Part Number	Thickness	Dimensions	Ordering unit
30(series)-TO-220	0.30 <sup>+0.1</sup> / <sub>-0</sub>		500 integral multiples
45(series)-TO-220	0.45±0.05		
30(series)-TO-3PF	0.30 <sup>+0.1</sup> / <sub>-0</sub>		500 integral multiples
45(series)-TO-3PF	0.45±0.05		

Note: Custom size and materials available.

SARCON®	Construction	Thickness (mm)	Sheet (mm)			
<b>GR-ae</b>	50G-ae	50G-Hae	0.5 ± 0.05	300 x 200 (Recommended Usable Size; 290 x 190)		
	50G-F2ae	50G-HF2ae	0.5 ± 0.15			
	100G-ae	100G-Hae	1.0 ± 0.10			
	100G-F2ae	100G-HF2ae	1.0 ± 0.20			
	150G-ae	150G-Hae	1.5 ± 0.15			
	150G-F2ae	150G-HF2ae	1.5 ± 0.20			
	200G-ae	200G-Hae	2.0 ± 0.20			
	200G-F2ae	200G-HF2ae	2.0 ± 0.30			
	250G-ae	250G-Hae	2.5 ± 0.25			
	300G-ae	300G-Hae	3.0 ± 0.30			
	350G-ae	350G-Hae	3.5 ± 0.35			
	400G-ae	400G-Hae	4.0 ± 0.40			
450G-ae	450G-Hae	4.5 ± 0.45				
500G-ae	500G-Hae	5.0 ± 0.50				
<b>GR-d</b>	50G-d	50G-Hd	0.5 ± 0.05	300 x 200 (Recommended Usable Size; 290 x 190)		
	50G-F2d	50G-HF2d	0.5 ± 0.15			
	100G-d	100G-Hd	1.0 ± 0.10			
	100G-F2d	100G-HF2d	1.0 ± 0.20			
	150G-d	150G-Hd	1.5 ± 0.15			
	150G-F2d	150G-HF2d	1.5 ± 0.20			
	200G-d	200G-Hd	2.0 ± 0.20			
	200G-F2d	200G-HF2d	2.0 ± 0.30			
	250G-d	250G-Hd	2.5 ± 0.25			
	300G-d	300G-Hd	3.0 ± 0.30			
	350G-d	350G-Hd	3.5 ± 0.30			
	400G-d	400G-Hd	4.0 ± 0.30			
450G-d	450G-Hd	4.5 ± 0.30				
500G-d	500G-Hd	5.0 ± 0.30				
<b>GR14A</b>	GR14A-00-50GY	GR14A-0H-50GY	0.5 ± 0.15	300 x 200 (Recommended Usable Size; 290 x 190)		
	GR14A-00-100GY	GR14A-0H-100GY	1.0 ± 0.20			
	GR14A-00-150GY	GR14A-0H-150GY	1.5 ± 0.20			
	GR14A-00-200GY	GR14A-0H-200GY	2.0 ± 0.30			
	GR14A-00-250GY	GR14A-0H-250GY	2.5 ± 0.30			
	GR14A-00-300GY	GR14A-0H-300GY	3.0 ± 0.30			
	GR14A-00-350GY	GR14A-0H-350GY	3.5 ± 0.35			
	GR14A-00-400GY	GR14A-0H-400GY	4.0 ± 0.40			
	GR14A-00-450GY	GR14A-0H-450GY	4.5 ± 0.45			
	GR14A-00-500GY	GR14A-0H-500GY	5.0 ± 0.50			
	<b>GR25A</b>	GR25A-0H2-30GY			0.3 ± 0.10	300 x 200 (Recommended Usable Size; 290 x 190)
		GR25A-G0-30GY			0.3 ± 0.06	
GR25A-00-50GY		GR25A-0H-50GY	0.5 ± 0.05			
GR25A-F0-50GY		GR25A-FH-50GY	0.5 ± 0.15			
GR25A-G0-50GY			0.5 ± 0.15			
GR25A-00-100GY		GR25A-0H-100GY	1.0 ± 0.10			
GR25A-F0-100GY		GR25A-FH-100GY	1.0 ± 0.20			
GR25A-G0-100GY			1.0 ± 0.20			
GR25A-00-150GY		GR25A-0H-150GY	1.5 ± 0.15			
GR25A-F0-150GY		GR25A-FH-150GY	1.5 ± 0.20			
GR25A-G0-150GY			1.5 ± 0.20			
GR25A-00-200GY		GR25A-0H-200GY	2.0 ± 0.20			
GR25A-F0-200GY	GR25A-FH-200GY	2.0 ± 0.30				
GR25A-00-250GY	GR25A-0H-250GY	2.5 ± 0.25				
GR25A-00-300GY	GR25A-0H-300GY	3.0 ± 0.30				
GR25A-00-350GY	GR25A-0H-350GY	3.5 ± 0.30				
GR25A-00-400GY	GR25A-0H-400GY	4.0 ± 0.30				
GR25A-00-450GY	GR25A-0H-450GY	4.5 ± 0.30				
GR25A-00-500GY	GR25A-0H-500GY	5.0 ± 0.30				

Note: \*Some products are not in-stock items. Please contact us for an inventory status.  
\*If you do not see what you want, Please ask for it.  
\*If you do not see what you want, Please contact us for confirming.

SARCON®	Construction	Thickness (mm)	Sheet (mm)	
<b>GR45A</b>	GR45A-00-50GY	GR45A-0H-50GY	0.5 ± 0.15	300 x 200 (Recommended Usable Size; 280 x 190)
	GR45A-00-100GY	GR45A-0H-100GY	1.0 ± 0.20	
	GR45A-00-150GY	GR45A-0H-150GY	1.5 ± 0.20	
	GR45A-00-200GY	GR45A-0H-200GY	2.0 ± 0.30	
	GR45A-00-250GY	GR45A-0H-250GY	2.5 ± 0.30	
	GR45A-00-300GY	GR45A-0H-300GY	3.0 ± 0.30	
	GR45A-00-350GY	GR45A-0H-350GY	3.5 ± 0.35	
	GR45A-00-400GY	GR45A-0H-400GY	4.0 ± 0.40	
	GR45A-00-450GY	GR45A-0H-450GY	4.5 ± 0.45	
GR45A-00-500GY	GR45A-0H-500GY	5.0 ± 0.50		
<b>GR80A</b>		GR80A-0H-30GY	0.3 ± 0.06	300 x 200 (Recommended Usable Size; 290 x 190)
		GR80A-0H-50GY	0.5 ± 0.10	
	GR80A-00-100GY	GR80A-0H-100GY	1.0 ± 0.15	
<b>XR-m</b>	30X-m		0.3 ± 0.06	50 x 50
	50X-m		0.5 ± 0.10	
	100X-m		1.0 ± 0.20	
	150X-m		1.5 ± 0.20	
<b>GR-Sd</b>	200G-Sd		2.0 ± 0.30	300 x 200 (Recommended Usable Size; 290 x 190)
	250G-Sd		2.5 ± 0.30	
	300G-Sd		3.0 ± 0.30	
	350G-Sd		3.5 ± 0.35	
	400G-Sd		4.0 ± 0.40	
<b>PG25A</b>	PG25A-00-100GY		1.0 ± 0.15	300 x 200 (Recommended Usable Size; 280 x 190)
	PG25A-00-150GY		1.5 ± 0.20	
	PG25A-00-200GY		2.0 ± 0.30	
	PG25A-00-250GY		2.5 ± 0.30	
	PG25A-00-300GY		3.0 ± 0.30	
	PG25A-00-350GY		3.5 ± 0.35	
<b>GR-Pm</b>	150G-Pm		1.5 ± 0.5/-0	300 x 200 (290 x 190)
	200G-Pm		2.0 ± 0.7/-0	
	250G-Pm		2.5 ± 0.7/-0	
	GR80A-00-50BL		0.5 ± 0.10	
	GR80A-00-100BL		1.0 ± 0.15	
<b>XR-Um</b>	20X-Um	20X-Um-AL	0.22± 0.04	(see P.22)
	30X-Um	30X-Um-AL	0.3 ± 0.06	
	40X-Um	40X-Um-AL	0.4 ± 0.08	
	50X-Um	50X-Um-AL	0.5 ± 0.10	
<b>NR-c</b>	50N-Tc	50N-HTc	0.5 ± 0.15	300 x 200 (Recommended Usable Size; 290 x 190)
	100N-c	100N-Hc	1.0 ± 0.10	
	100N-Tc	100N-HTc	1.0 ± 0.20	
	150N-c	150N-Hc	1.5 ± 0.15	
	150N-Tc	150N-HTc	1.5 ± 0.20	
	200N-c	200N-Hc	2.0 ± 0.20	
	200N-Tc	200N-HTc	2.0 ± 0.30	
250N-c	250N-Hc	2.5 ± 0.25		
<b>EGR-11F</b>	50EG-11F		0.5 ± 0.15	300 x 200 (Recommended Usable Size; 290 x 190)
	100EG-11F		1.0 ± 0.20	
	150EG-11F		1.5 ± 0.20	