

Thyristors

Triacs

25-50 Amps

International
IR Rectifier

Part Number	VRRM VDRM (V)	IT(RMS) @ Tc		ITSM (1)		VTM @ ITM Tj = 25°C		RthJC DC (°C/W)	Case Outline Number (5)	Notes	Case Style
		(A)	(°C)	50 Hz (A)	60 Hz (A)	(V)	(A)				
25AC10A 25AC20A 25AC40A 25AC60A 25AC80A 25AC100A 25AC120A	100 200 400 600 800 1000 1200	25	82	200	209	1.9	35	1.15	T1	(2) (4)	TO-208AA (TO-48) 
50AC10A 50AC20A 50AC40A 50AC60A 50AC80A 50AC100A 50AC120A	100 200 400 600 800 1000 1200	50	85	520	550	2.0	70	0.45	T3	(3) (4)	TO-208AC (TO-65) 

(1) 100% VRRM reapplied Tj = 125°C.

(5) For case outline drawing see page 154.

(2) Leaded version available, outline T2.

(3) Leaded version available, outline T4.

(4) Available with metric stud; to specify add "M" to the end of part number (e.g., 25AC120AM, 50AC120AM).

Thyristor Die Characteristics

Center Gate Thyristors⁽⁶⁾

Die Part No.	Dimensions Square Inches	Passivation	Current (IT(RMS)) (A)	Voltage Range (V)	Equiv. Device Series
IRCI210-	0.210	GLASS	35	100-1200	10, 16, 22, 25RIA
IRCI350-	0.350	GLASS	80	100-1200	50RIA, T50RIA, T70RIA IRKT/H/L41-56

Corner Gate Thyristors⁽⁶⁾

IRCI230-	0.230	GLASS	35	100-1200	IRKT/H/L26
IRCI480-	0.480	GLASS	140	100-1200	IRKT/H/L71-91, T90RIA

TRIAC⁽⁶⁾

TRIAC210-	0.210	GLASS	25	400-1200	25AC, B25AC
TRIAC350-	0.350	GLASS	50	400-1200	50AC, T50AC

To specify voltage, add suffix to die part number as follows:

SUFFIX	10	20	40	60	80	100	120
VDRM/VRRM	100	200	400	600	800	1000	1200

(6) For die outline drawing see page 170.