Part Number Definition

Example T1010MH:

T = Glass passivated Triac
10 = 10 A
10 = I_{GT} 25/25/25/25 mA
M = 600 V
H = TO-220

Technology

SCR

E = Epitaxial (Fast)
F = Fast (gold doped, glass passivated)
L = Light activated
M = Mesa
P = Planar
S = Glass passivated
X = Top Glass

TRIAC

T = Glass passivated
Z = Top Glass

DIAC

D = Glass passivated

Current Range

01 = up to 1 A
02 = up to 2 A
03 = 3 A
04 = 4 A
05 = 5 A
06 = 6 A
08 = 8 A
10 = 10 A
12 = 12 A
15 = 15 A
16 = 16 A
25 = 25 A
40 = 40 A

I_{GT}-Current Range

Sensitive Gate SCR'S (<200 µA)

Code	Min	Max (µA)
00 =	–	20
01 =	1	20
02 =	–	200
03 =	20	200
04 =	–	50
05 =	20	50
06 =	50	200
07 =	–	5
08 =	1	5
09 =	–	1
10 =	5	20

Non-Sensitive SCR'S (>200 µA)

Code	Min	Max (mA)
05 =	–	5
07 =	5	10
08 =	–	10
10 =	10	25
12 =	25	50
13 =	–	50
14 =	30	75

TRIACS

Code	mA 1	max. 2	in 3	Quad. 4
02 =	3	3	3	3
05 =	5	5	5	5
09 =	10	10	10	10
10 =	**25**	**25**	**25**	**25**
12 =	50	50	50	50
13 =	50	50	50	75

Special Selections on SCR'S and TRIACS

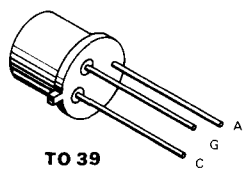
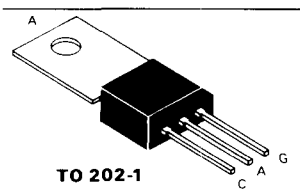
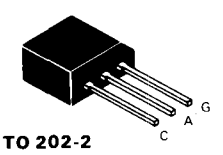
Codes 20 to 99

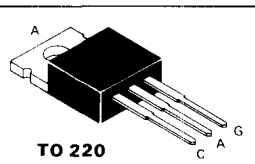
Voltage

Y = 30
F = 60
A = 100
B = 200
C = 300
D = 400
M = 600
S = 700
N = 800
P = 1000
V = 1200
Z = 1400

Package

A = TO-92
B = RD 26
D = TO-18
E = TO-202-1
F = TO-202-2
G = TO-39
H = TO-220
J = TO-220 Isolated
K = RD 101 Isolated
N = TO-48L, ¼"-28UNF-2A Thread
P = TO-48L, Metric M6 Thread
R = DO-35
T = TO-92 Taped and Reeled
V = Vial
W = Waffle Pack
X = Expanded Wafer
Y = Unscribed Wafer
Z = Specials

Package	$I_{T(RMS)}$ (Amps)	V_{DRM} V_{RRM}	I_{GT}(μA) Min–Max – 200	Min–Max 20 50	Min–Max 20 200
 TO 39	3.3	200	X0302BG	X0305BG	X0303BG
		400	X0302DG	X0305DG	X0303DG
		600	X0302MG	X0305MG	X0303MG
		800	X0302NG	X0305NG	X0303NG
 TO 202-1	4	200	X0402BE	X0405BE	X0403BE
		400	X0402DE	X0405DE	X0403DE
		600	X0402ME	X0405ME	X0403ME
		800	X0402NE	X0405NE	X0403NE
 TO 202-2	4	200	X0402BF	X0405BF	X0403BF
		400	X0402DF	X0405DF	X0403DF
		600	X0402MF	X0405MF	X0403MF
		800	X0402NF	X0405NF	X0403NF

Package	$I_{T(RMS)}$ (Amps)	V_{DRM} V_{RRM}	I_{GT}(mA) Min–Max – 0.2	Min–Max – 5.0	Min–Max 5.0 10	Min–Max 10 25
 TO 220	4	200	S0402BH	S0405BH	S0407BH	S0410BH
		400	S0402DH	S0405DH	S0407DH	S0410DH
		600	S0402MH	S0405MH	S0407MH	S0410MH
		800	S0402NH	S0405NH	S0407NH	S0410DH
	6	200	S0602BH	S0605BH	S0607BH	S0610BH
		400	S0602DH	S0605DH	S0607DH	S0610DH
		600	S0602MH	S0605MH	S0607MH	S0610MH
		800	S0602NH	S0605NH	S0607NH	S0610NH
	8	200	S0802BH	S0805BH	S0807BH	S0810BH
		400	S0802DH	S0805DH	S0807DH	S0810DH
		600	S0802MH	S0805MH	S0807MH	S0810MH
		800	S0802NH	S0805NH	S0807NH	S0810NH
	10	200		S1005BH	S1007BH	S1010BH
		400		S1005DH	S1007DH	S1010DH
		600		S1005MH	S1007MH	S1010MH
		800		S1005NH	S1007NH	S1010NH
	12	200		S1205BH	S1207BH	S1210BH
		400		S1205DH	S1207DH	S1210DH
		600		S1205MH	S1207MH	S1210MH
		800		S1205NH	S1207NH	S1210NH