

6367255 MOTOROLA SC (DIODES/OPTO)

34C 38154 D

T-25-17

SILICON THYRISTOR DIE (continued)

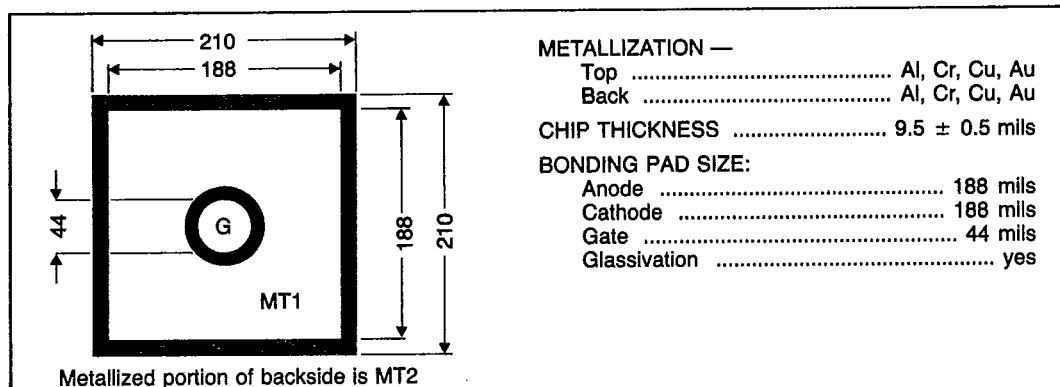
CHIP NO. **2C5446**
LINE SOURCE — DTL0440



TRIAC — Bidirectional
Triode Thyristor

Device assembled from this die type are similar to or better than the following device types:

- 2N5441
- 2N5442
- 2N5443
- 2N5444
- 2N5445
- 2N5446
- MAC50, A Series



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ELECTRICAL CHARACTERISTICS (T_A = 25°C, See Note 1)

Parameter	Test Conditions	Min	Max	Unit
I _{DRM}	V _D = 600 V _{DRM}	—	50	μAdc
I _{GT}	V _D = 12 Vdc, R _L = 50 Ω MT2(+), G(+) MT2(+), G(-) MT2(-), G(-) MT2(-), G(+)	— — — —	75 75 75 100	mAdc
V _{GT}	V _D = 12 Vdc, R _L = 50 Ω MT2(+), G(+) MT2(+), G(-) MT2(-), G(-) MT2(-), G(+)	— — — —	2.0 2.0 2.0 2.5	Volts
I _H	V _D = 12 Vdc, I _{TH} = 0.2 Adc	—	20	mAdc

NOTES: 1. Because of the limitation of probe testing, dc parameters are tested. These parameters must be measured using pulse techniques pulse width = 300 μA duty cycle ≤ 2%.

Chip characteristics, including curves, are available from current Discrete Motorola Data.