

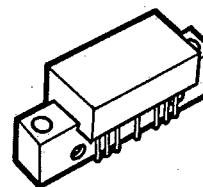
RF Devices Division
TRW Electronic Components Group

TRW
T-74-09-01

CA2600

CATV Amplifier

- 300 MHz
- 34 dB Gain
- Low Noise Figure
- Low Distortion
- All Gold Metallization



CA2600

Electrical Characteristics for 75 Ω Systems (T_{CASE} = 25°C, V_{CC} = 24V)

Symbol	Characteristics	Test Conditions	CA2600
Gain	Gain	50 MHz	34.0 $\pm$ 1.0 dB
B.W.	Frequency Response	40-300 MHz	$\pm$ 0.3 dB
S.C.E.	Slope Cable Equivalent	40-300 MHz	0 to +1.5 dB
X-Mod	Cross Modulation 35 Channels Flat @ 46 dBmV	CH 2	-63 dB
S.O.	Second Order Beat @ 50 dBmV	CH 2, 13, R	-67 dB
C.T.B.	Composite Triple Beat 35 Channels Flat @ 46 dBmV	CH W	-66 dB
N.F.	Noise Figure	50 MHz 300 MHz	4.5 dB 5.0 dB
R.L.	Return Loss Input/Output	40-300 MHz	18 dB
P. Req.	Power Requirement	24V	310 mA (Typ.)

Absolute Maximum Ratings

Symbol	Characteristics	CA2600
V _{CC}	Supply Voltage	28V
P _{IN}	RF Power Input	+50 dBmV
T _{ST}	Storage Temperature	-40°C to +100°C
T _{OP}	Operating Temperature (Sink)	-20°C to +100°C

Pin Configuration

