

## **BYI-1/1F/1T/1Z**

## BYISTORS FOR LINEAR POWER AMPLIFIERS

GENERAL DESCRIPTION The BYI-1/1F/1T/1Z is a semiconductor in linear amplifier bias circuitry. The bying bias source which has two modes for there	CASE OUTLINE	
ABSOLUTE MAXIMUM	I RATINGS	
Maximum Power Dissipation @ 25°C	11 Watts	
Maximum Voltage and Current		
BVces Collector to Emiter Voltage	55 Volts	
BVebo Emitter to Base Voltage	4.0 Volts	
Ic Collector Current	0.7 A	
Maximum Temperatures		
Storage Temperature	- 65 to +150°C	
Operating Junction Temperature	+150°C	

## **ELECTRICAL CHARACTERISTICS** @ 25 °C

SYMBOL	CHARACTERISTICS	TEST CONDITIONS	MIN	TYP	MAX	UNITS
Pout Pin Pg ηc VSWR	Power Output Power Input Power Gain Efficiency Load Mismatch Tolerance	F = 400 MHz Vcc = 28 Volts	3 11.8	13 60	0.2 30:1	Watts Watts dB %

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