

UTV080

8 Watts, 26.5 Volts, Class A UHF Television - Band IV & V

The UTY Watt Pea transisto Gold Me	ERAL DESCRIPTION V 080 is a COMMON EMITTER tran ak, Class A, RF Output Power over th or includes double input prematching etalization and Diffused Ballasting are reme ruggedness.	CASE OUTLINE 55JV, STYLE 2	
ABSC	DLUTE MAXIMUM RATI	NGS	
Maximu	m Power Dissipation @ 25°C	65 Watts	- ^ ^
	um Voltage and Current		
BVces	Collector to Emitter Voltage	50 Volts	
BVceo	8	28 Volts	
BVebo	6	3.5 Volts	
Ic	Collector Current	2.5 Amps	
Maxim	ım Temperatures		× × ×
Storage Temperature		- 65 to + 150°C	
Storage			

ELECTRICAL CHARACTERISTICS @ 25 °C

SYMBOL	CHARACTERISTICS	TEST CONDITIONS	MIN	ТҮР	MAX	UNITS
Pout Pin Pg IMD ¹ VSWR ₁	Power Out - Pk Sync Power Input Power Gain Intermodulation Distortion Load Mismatch Tolerance	F = 470 - 860 MHz Vcc = 26.5 Volts Ic = 1.7 Amps Pref = 8 Watts F = 860 MHz	8 9	10	1.0 -58 3:1	Watts Watts dB dB

LVceo ² BVces ²	Collector to Emitter Breakdown Collector to Base Breakdown	Ic = 60 mA Ic = 20 mA	28 50		Volts Volts
BVebo²	Emitter to Base Breakdown	Ie = 5 mA	3.5		Volts
h _{FE} ² Cob ²	Current Gain Output Capacitance	Vce = 5 V, 500 mA Vcb = 26 V, F = 1 MHz	10		pF
θjc	Thermal Resistance	$Tc = 25^{\circ}C$		2.5	°Ċ/W

Note 1: F1=860 MHz, F2=863.5 MHz, F3=864.5 Mhz

European test method, Vision = -8 dB, Sideband = -16 dB, Sound = -7 dB2: Per side

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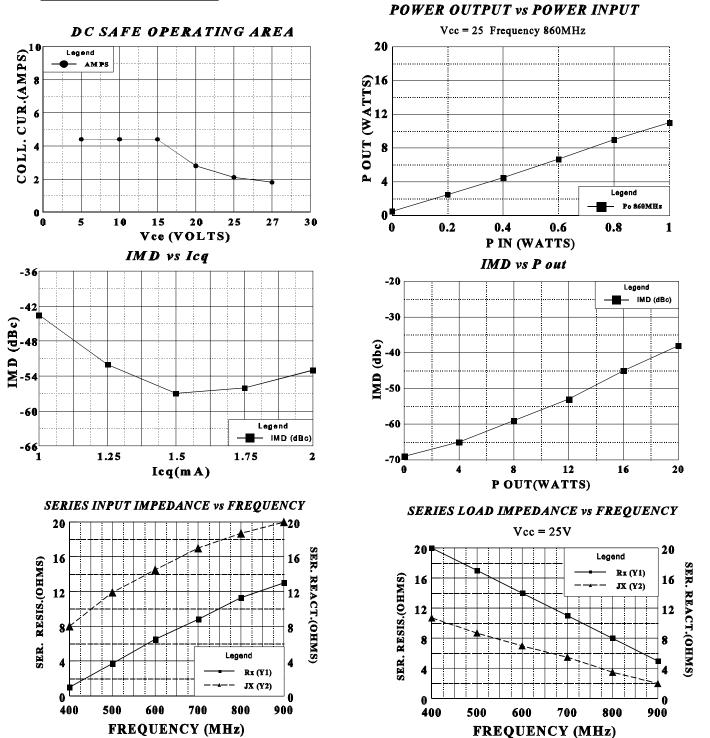
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