

WITHOUT DRIVER ☒ FS

WITH DRIVER ☐ FSD

2772R-SMT

CUSTOMER Catalog
CUSTOMER P/N

DESCRIPTION TINY₁₆ oscillator (SMT Mount), RoHS Compliant

RF SPECIFICATIONS	TUNING RANGE (GHz)	START 4.0 [1]	TO 8.00	STOP
	POWER OUT (dBm)	+6	MIN	
	POWER VARIATION OVER TUNERANGE (dB)		MAX	
	HARMONICS (dBc)	-12	MAX	
	NON-HARMONICS (dBc)	-70	MAX	☐
	TUNING LINEARITY	+/- 2	MHz MAX	OR +/- % MAX
	TEMPERATURE DRIFT (MHz)	+/- 45	☒ MAX	☐ TYP
	HYSTERESIS (MHz)	15	☒ MAX	☐ TYP
	FREQUENCY PUSHING (MHz/V)	2.0	☒ MAX	☐ TYP
	FREQUENCY PULLING - 1.5:1 VSWR (MHz)	2.0	☐ MAX	☐ TYP
	SSB PHASE NOISE (dBc/Hz)	10 KHz @ -100	☒ MAX	☐ TYP
		100 KHz @ -125	☒ MAX	☐ TYP

DC SPECIFICATIONS

BIAS +8.0	VDC @ 70	mA	☐ MAX	☒ TYP
-5V	VDC @ 20	mA	☐ MAX	☐ TYP
HEATERS n/a	VDC @	mA	☐ MAX	☐ TYP
@ 25 ° C STEADY STATE				
mA SURGE AT TURN-ON		☒	MAX	☐ TYP

ENVIRONMENTAL SPECIFICATIONS
SCREENING

TEMP RANGE +10 DEG C TO +60 DEG C COMM ☒ MIL ☐ MIL(S) ☐
TUNING COIL

SENSITIVITY (MHz/mA)	8.0	☐ TYP	%
RESISTANCE (Ohms)	7.0	☐ MAX	☒ TYP
INDUCTANCE (mH)	10	☐ MAX	☒ TYP

FM COIL ☒

SENSITIVITY (KHz/mA)	300	☐ TYP	☐ 15 %
3 dB BANDWIDTH (KHz)	400	☐ MIN	☒ TYP
RESISTANCE (Ohms)	1	☐ MAX	☐ TYP
INDUCTANCE (uH)	TBD	☐ MAX	☐ TYP

DRIVER

ANALOG ☐

OR

DIGITAL ☐

TUNING VOLTAGE (V) FROM	TO	NO. OF BITS
CIRCUIT POWER	VDC @	mA, MAX
	VDC @	mA, MAX
	VDC @	mA, MAX
		LATCHING

TRANSPARENT ☐ EDGE TRIG ☐ LEVEL TRIG ☐
OUTLINE IN-050088-000

PRODUCT CODE

OTHER SPECS:

[1] Zero current frequency to be 5.50GHz +/- 300MHz

CONTROLLING DOCUMENT

CUSTOMER (SCD NO. IS) X TELEDYNE

ASSIGNED BY MLK

DATE 2/13/2007

REV 2 [MLK 10-4-10]