

TCXO/VCTCXO THROUGH HOLE (18.5x 12.0 x 8.5mm)
FEATURES:

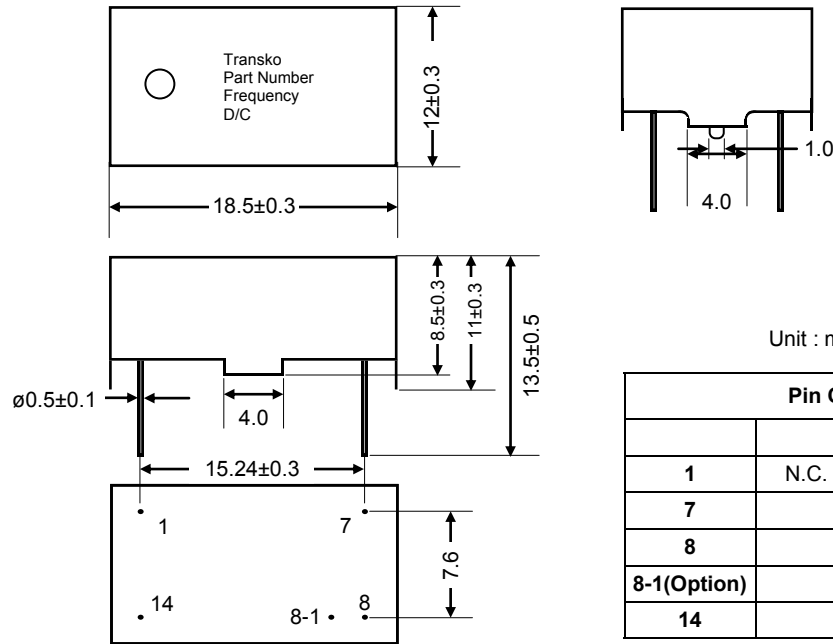
- WIDE FREQUENCY RANGES
- TIGHT STABILITY AVAILABLE
- STANDARD PACKAGE


■ SPECIFICATION

PARAMETER		MIN.	TYP.	MAX.	UNIT	NOTE
FREQUENCY RANGE		750K		800M	Hz	
FREQUENCY STABILITY	vs. TEMPERATURE	±0.5		±5.0	ppm	See P/N guide for other options
	vs. LOAD ± 10%			±0.2	ppm	
	vs. SUPPLY VOLTAGE ± 5%	±0.1		±0.3	ppm	
	vs. AGING			±1.0	ppm/year	@ 25°C
OPERATING TEMPERATURE RANGE		-40		85	°C	See P/N guide for other options
STORAGE TEMPERATURE RANGE		-55		125	°C	
SUPPLY VOLTAGE ±5%		3.3		5.0	V	See P/N guide for other options
SUPPLY CURRENT	0.75MHz ≤ f ≤ 24MHz			25	mA	
	24MHz < f ≤ 800MHz			100	mA	
OUTPUT	LOGIC FAMILY		LVDS / PECL			
	LOAD	LVDS		100	Ω	Output - Complimentary Output
		PECL		50	Ω	into V _{DD} - 2V _{DC}
	LEVEL	LVDS (V_{OH})		1.43	V	
		LVDS (V_{OL})		1.10	V	
		PECL (V_{OH})	V _{DD} - 1.025V			V
		PECL (V_{OL})			V _{DD} - 1.62V	V
	DIFFERENTIAL OUTPUT VOLTAGE			330		mV
	OFFSET VOLTAGE			1.2		V
	SYMMETRY (DUTY CYCLE)		45		55	%
RISE AND FALL TIME (Tr/Tf)				1.0	nS	
FREQUENCY DEVIATION		±5		±10	ppm	
CONTROL VOLTAGE	3.3V	0.15		3.15	V	
	5.0V	0.5		4.5	V	
FREQUENCY ADJUSTMENT		±3.0			ppm	By internal trimmer
PHASE NOISE	10Hz		-80		dBc/Hz	@ 20.0MHz offset
	100Hz		-120		dBc/Hz	
	1kHz		-135		dBc/Hz	
	10kHz		-140		dBc/Hz	
	100kHz		-145		dBc/Hz	

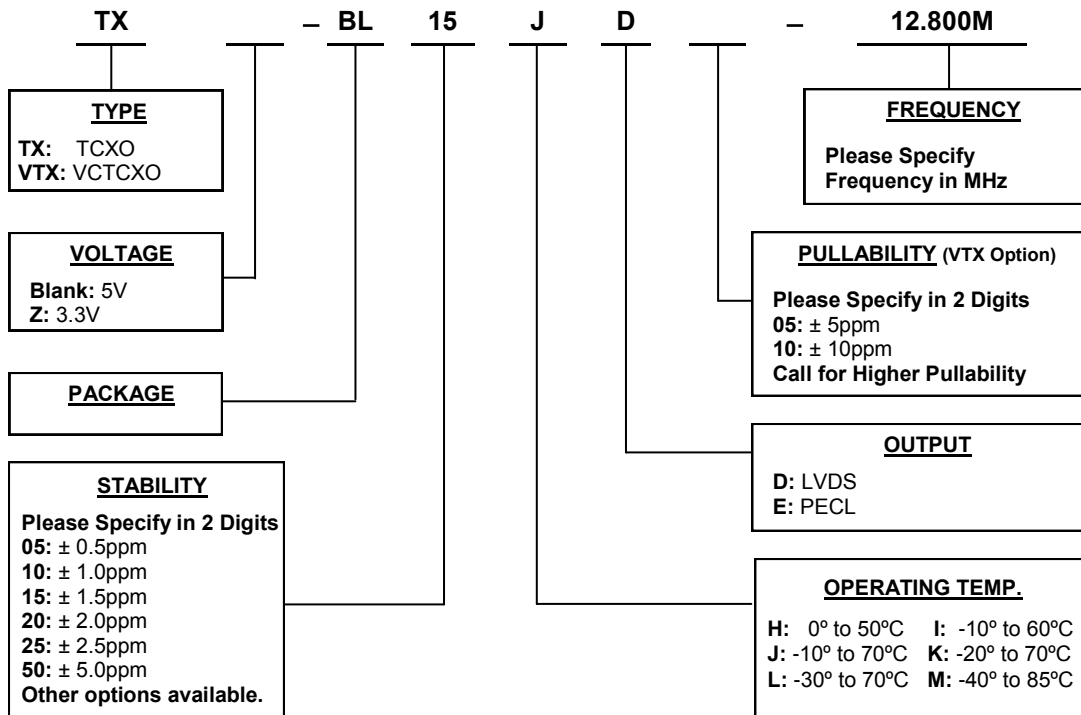
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■ PACKAGE DIMENSIONS



Pin Connections		
	TX	VTX
1	N.C. or C.Output	V _C
7	GND	
8	Output	
8-1(Option)	N.C.	C.Output
14	V _{DD}	

■ PART NUMBERING GUIDE



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