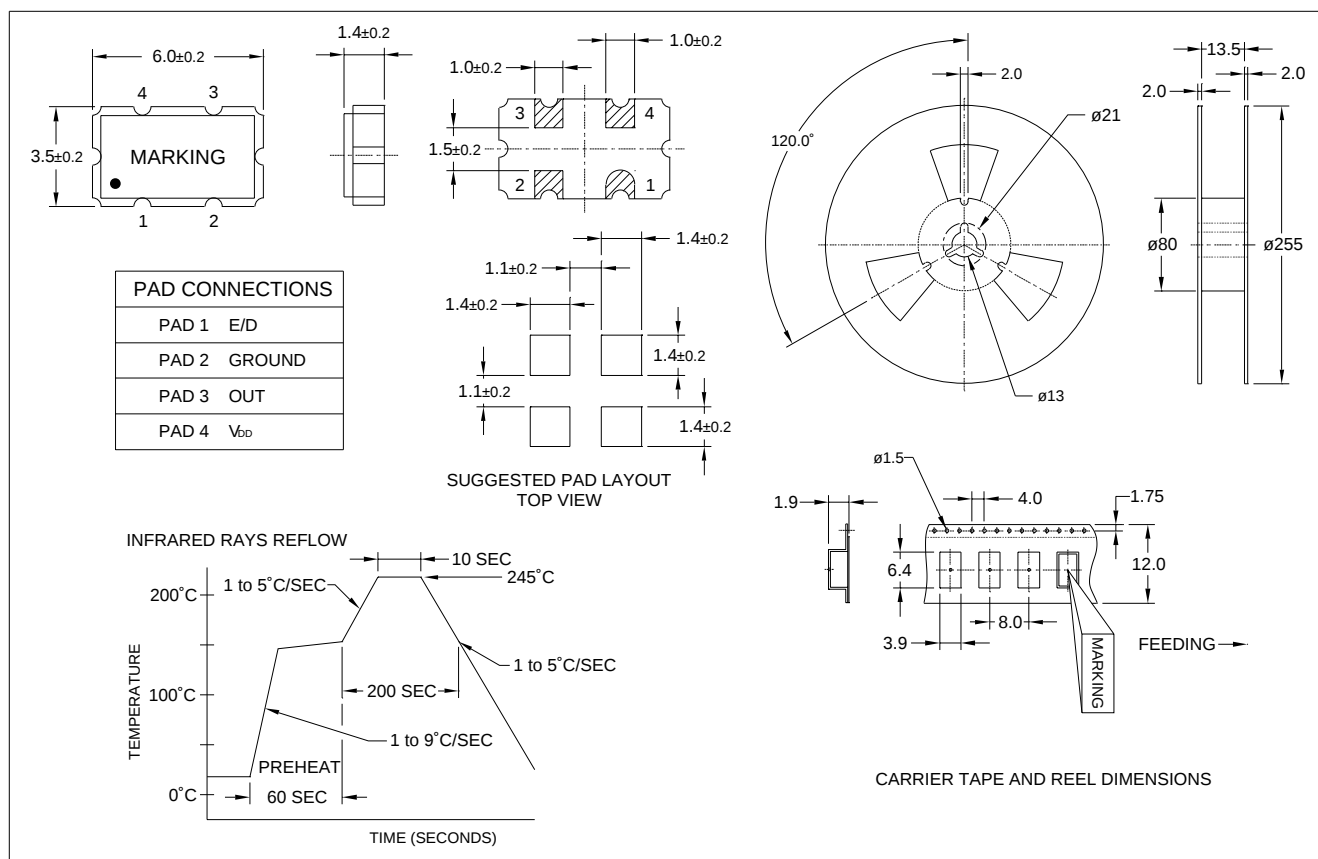




SPECIFICATION				
SERIES NUMBER	QSMO-4410	QSMO-4420	QSMO-4430	QSMO-4440
NOMINAL FREQUENCY	1.8 to 50 MHz			
OVERALL FREQUENCY ACCURACY	±100ppm or ±50ppm AVAILABLE			
OPERATING TEMPERATURE RANGE	-10°C to +70°C			
SUPPLY VOLTAGE	3.3 VOLTS ±10%	5 VOLTS ±10%		
SUPPLY CURRENT				
OUTPUT DISABLED	10 µA MAX	10 µA MAX	10 µA MAX	10 µA MAX
1.8 TO 32 MHz	12 mA MAX	22 mA MAX	25 mA MAX	27 mA MAX
32 MHz TO 50 MHz	16.5 mA MAX	26 mA MAX	35 mA MAX	45 mA MAX
OUTPUT VOLTAGE	VOH	2.97 VOLTS MIN	2.4 VOLTS MIN	4.5 VOLTS MIN
	VOL	0.33 VOLTS MAX	0.4 VOLTS MAX	0.5 VOLTS MAX
OUTPUT LOAD	10 LSTTL or 15pF	10 TTL	10 LSTTL or 15pF	10 TTL or 50pF
RISE/FALL TIMES	7 nSEC MAX (10% to 90% P-P)	5 nSEC MAX (0.4 V to 2.4 V)	10 nSEC MAX (10% to 90% P-P)	7 nSEC MAX (10% to 90%)
SYMMETRY				
OUTPUT VOLTAGE = 1.4 VOLTS	40% to 60%	40% to 60%		40% to 60%
OUTPUT VOLTAGE = 1.5 VOLTS				
OUTPUT VOLTAGE = 2.5 VOLTS				
TRI-STATE CONTROL				
VIH (OUTPUT ENABLED)	2.2 VOLTS MIN OR NO CONNECTION			
VIL (OUTPUT HIGH IMPEDANCE)	0.8 VOLTS MAX			

