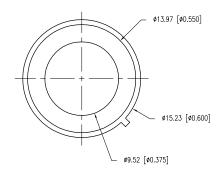
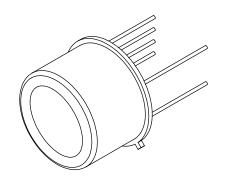
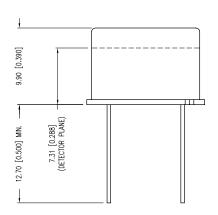
PART NUMBER

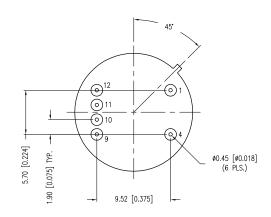
SNR-40029

REV.









SPECIFICATIONS

STANDARD SPECIFICATIONS: ELECTRICAL

ALL DETECTOR SPECIFICATIONS ARE AT A BIAS VOLTAGE OF 50V/mm DISTANCE BETWEEN ELECTRODES APPLIED ACROSS THE DETECTOR AND WITH A 1MΩ LOAD RESISTOR IN SERIES. ALL SPECIFICATIONS APPLY AT OR NEAR MAXIMUM COOLING WITH THE HEAT SINK AT +25°C. TYPICAL COOLER POWER AT MAX. COOLING 1.9V AT 1.4A.

	MIN.	TYP.	MIN.	UNITS
WAVELENGTH OF MAX. RESPONSE	2.6	2.7		μm
D*(500K, 650Hz, 1Hz)	2.2x109	3.3x10°		cm Hz ^{1/2} W ⁻¹
D*(lpk, 650Hz, 1Hz)	2.0x1011	3.0x10 ¹¹		cm Hz ^{1/2} W ⁻¹
ELEMENT RESISTANCE (DARK)	3	6	20	MΩ/sq.
TIME CONSTANT (NOT MEASURED)		1750	3500	μs
RATED ELEMENT TEMP.			65	·c
DT @/OR NEAR MAX. COOLING	70	75		·c
ELEMENT SIZE		3x3		mm
RESPONSIVITY (lpk, 650) vw-1	4.3x10 ⁵	6.5x10⁵		
AMBIENT TEMP./DETECTOR OPER. TEMP.		25		.c
DETECTOR OPER. TEMP.		-25		.c
OPERATING TEMP.		45		·c

DATE:

02.11.11 DRAWN BY:

AΒ

KF

ВС

PIN FUNCTION TABLE

PIN NO.	FUNCTION	COLOR
1	COOLER (-)	BLACK
4	COOLER (+)	RED
9	DETECTOR	WHITE
10	THERMISTOR	YELLOW
11	THERMISTOR	YELLOW
12	DETECTOR	WHITE

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= $^{+0.00}_{-0.00}$ PRECISION MAX.= $^{+0.00}_{-0.000}$ PRECISION $^{+0.00}_{-0.000}$ MAX.= $^{+0.00}_{-0.000}$ PRECISION $^{+0.000}_{-0.000}$ PRECISION $^{+0.000}_{-0.0$



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HP COOLED PbS 3x3

THE INFORMATION KEEP A

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.	PAGE:	1 OF 1	CHKD BY:	
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TOW CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LOWER INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN MINING BY LOWER INC., THE HOLDER OF THIS DOCUMENT SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.	UNIT:	mm [INCH]	Po	