

**LMS**

LED42-05

Light Emitting Diode

Parameter	Rating	units	Conditions
Peak emission wavelength	4.3	μm	300K
Spectral bandwidth (FWHM)	0.5	μm	300K
Max.emission power			
@ I=100 mA	15	μW	CW mode
@ I=1-5 A	2	mW	pulsed* mode
Response time	100	nS	
Temperature drift of band	2	nm/K	
Encapsulation	TO-18		Sapphire lens
Efficiency, % (not less)	0.01		
Field of View	10	deg.	

Notes:

- recommended detector is room temperature photovoltaic MCT detector model PDI-5 or TE-cooled photovoltaic MCT model PDI-2TE-5; or room temperature photoconductive MCT detector PCI-5 or TE-cooled photoconductive detector model PCI-2TE-5
- DO NOT connect/disconnect the LED while the pulse generator is in operation
- * I = 1.0 - 5.0 A, Pulse width = 5μs @ f=500Hz repetition rate (duty cycle = 0.25%)

