

Results of tests on MCI based P867RA (special) : SW : 17-08-01.

As stock except slightly shortened.

Wavelength (red) : 654.7-658.0nm.

Wavelength (infrared) : 931.5nm.

Resistor : 21.889kohm.

Length :

Forward diode voltage (red) : 1.5V.

Forward diode voltage (infrared) : 1.0V.

Forward diode voltage (detector) : 0.4V.

DL3000 module returns (attenuated setting) : Red, 39, Infrared, 26.

Reads 96% on 3800 against DL3000.

Human : SW : 97%.

Test of emitters and detector (voltages and currents measured at connector).

Detector test c/o sheilded from ambient light.

MCI LED removed.

Red current at measured voltage .	Infrared current at measured voltage.	Detector voltage in response to red.	Detector voltage in response to infrared.
	700mV,		700mV,
	750mV,		750mV,
	800mV,		800mV,
	850mV,		850mV,
	900mV,		900mV,
	950mV,		950mV,
	1000mV,		1000mV,
	1050mV,		1050mV,
	1100mV,		1100mV,
	1150mV,		1150mV,
1200mV,	1200mV,	1200mV,	1200mV,
1250mV,		1250mV,	
1300mV,		1300mV,	
1350mV,		1350mV,	
1400mV,		1400mV,	
1450mV,		1450mV,	
1500mV,		1500mV,	
1550mV,		1550mV,	
1600mV,		1600mV,	
1650mV,		1650mV,	
1700mV,		1700mV,	
1750mV,		1750mV,	
1800mV,		1800mV,	

As stock except Ohmeda LED fitted & slightly shortened.

Wavelength (red) : nm.
 Wavelength (infrared) : nm.
 Resistor : kohm.
 Length :
 Forward diode voltage (red) : V.
 Forward diode voltage (infrared) : V.
 Forward diode voltage (detector) : V.
 DL3000 module returns (attenuated setting) : Red, , Infrared, .
 Reads % on 3800 against DL3000.
 Human : SW : %.

Ohmeda LED fitted.

Red current at measured voltage .	Infrared current at measured voltage.	Detector voltage in response to red.	Detector voltage in response to infrared.
	700mV,		700mV,
	750mV,		750mV,
	800mV,		800mV,
	850mV,		850mV,
	900mV,		900mV,
	950mV,		950mV,
	1000mV,		1000mV,
	1050mV,		1050mV,
	1100mV,		1100mV,
	1150mV,		1150mV,
1200mV,	1200mV,	1200mV,	1200mV,
1250mV,		1250mV,	
1300mV,		1300mV,	
1350mV,		1350mV,	
1400mV,		1400mV,	
1450mV,		1450mV,	
1500mV,		1500mV,	
1550mV,		1550mV,	
1600mV,		1600mV,	
1650mV,		1650mV,	
1700mV,		1700mV,	
1750mV,		1750mV,	
1800mV,		1800mV,	