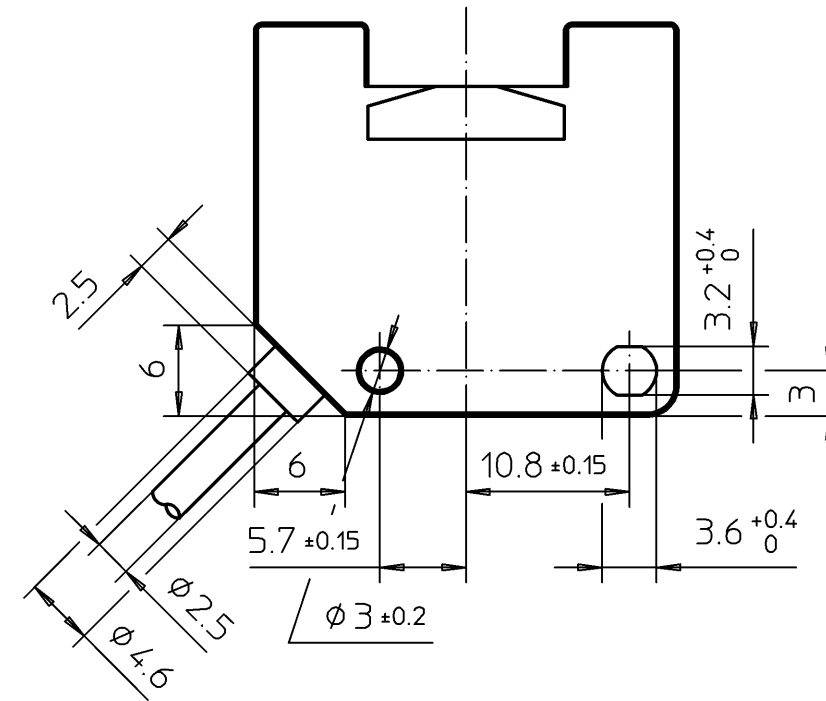
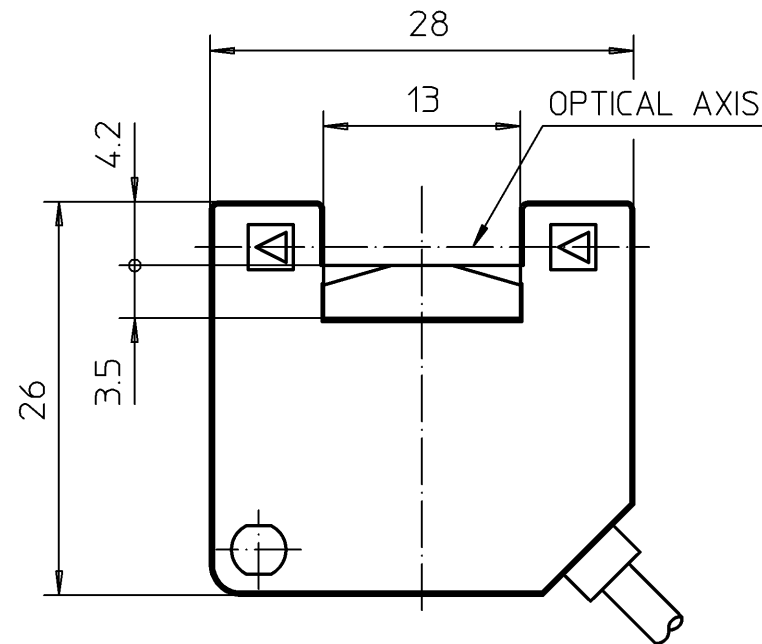
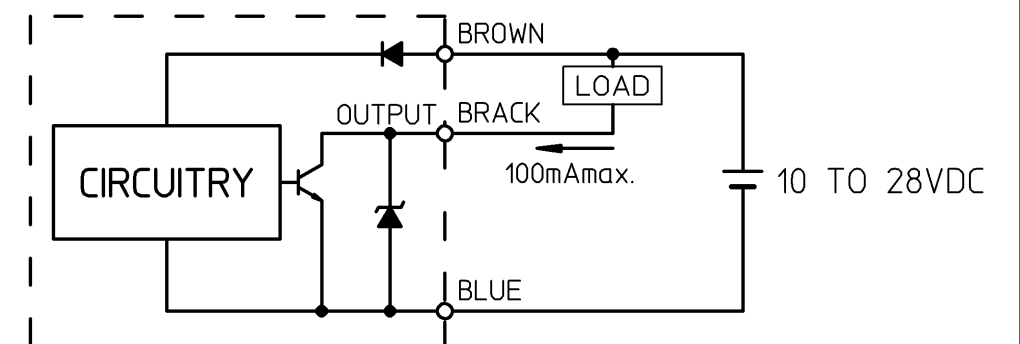




				作成DR. H.Matsuno 9-3 '96		尺度SCALE 2:1	記入のない公差 TOL. UNLESS NOTED ±0.5	
				検図CHK. T.Nakao 9-5 '96	形 番 MODEL	HPQ-T1		
				認可APPD S.NONAKA 9-9 '96	名 称 NAME	PHOTOELECTRIC SWITCH		
01	JE098-2003	2-12-'98	S.T.	T.N.	日付DATE	図 番 NO.	改番REV 01	1/2
改番 REV	来歴 RECORD	日付 DATE	担当 BY	検閲 APPD		AD41591E		

CATALOG LISTING		HPQ-T1
SCANNING TYPE		THROUGH SCAN
SUPPLY VOLTAGE		10 TO 28V DC (RIPPLE 10% max.)
CURRENT CONSUMPTION		25mA max.
USABLE PIPE		TRANSPARENT PIPE $\phi 8$ TO 13mm, THICKNESS 1mm
STANDARD DETECTING OBJECT		WATER
REPETITIVE DETECTING ACCURACY		1mm max.
OPERATING MODE		LIGHT-OPERATED/DARK-OPERATED SELECTABLE (WITH L-ON/D-ON SELECTOR) DETECTING OBJECT : DARK, NON-DETECTING OBJECT : LIGHT
OUTPUT MODE		OPEN COLLECTOR OF NPN TRANSISTOR
OUTPUT		LOAD CURRENT : 100mA max. (RESISTIVE LOAD) SATURATION VOLTAGE : 1V max. (AT 100mA LOAD CURRENT) 30VDC max., SHORT CIRCUIT PROTECTION
RESPONSE TIME		2ms max.
LIGHT SOURCE		INFRARED LED
INDICATOR		RED 'ON' WITH OPERATION.
AMBIENT LIGHT		INCANDESENT : 1000lx max.
OPERATING TEMPERATURE		-10~+55℃
STORAGE TEMPERATURE		-25~+70℃
HUMIDITY		35~85%RH (WITHOUT CONDENSATION)
INSULATION RESISTANCE		20M Ω min. (AT 500V DC)
DIELECTRIC STRENGTH		1000V AC 50/60Hz 1 MINUTE (L-ON/D-ON SELECTOR : 500V AC)
VIBRATION		10~55Hz , 1.5mm DOUBLE AMPRITUDE, 2 HOURS IN EACH DIRECTION OF X,Y,Z
SHOCK		500m/s ² (APPROX. 50G) 3TIMES IN EACH DIRECTION OF X,Y,Z
SEALING		IP50 (IEC STANDARD)
WEIGHT		APPROX. 25g
PROTECTION		FALSE PULSE PROTECTION (20ms typ.), REVERSE POLARITY PROTECTION
EMC	EN61000-4-2:1995	AIR GAP DISCHARGE:LEVEL 3 / CONTACT DISCHARGE:LEVEL 1
	ENV50140:1993	LEVEL 3
	ENV50204:1995	LEVEL 3
	EN61000-4-4:1995	LEVEL 3
	IEC255-5:1977	LEVEL 0
	ENV50141:1993	LEVEL 3

NOTE 1. THE DETECTION DEPENDS ON THE INDEX OF REFRECTION
AND THE TRANSPERANCE RATE OF THE PIPE AND THE OBJECT.



作成DR. H.Matsuono 9-3 '96		尺度 SCALE 	記入のない公差 TOL. UNLESS NOTED ~
検図CHK. T.Nakao 9-5 '96	形 番 MODEL	HPQ-T1	
認可 APPD S.NONAKA 9-9 '96	名 称 NAME	PHOTOELECTRIC SWITCH	
日付 DATE	図 番 NO.	改番 REV	2 / 2