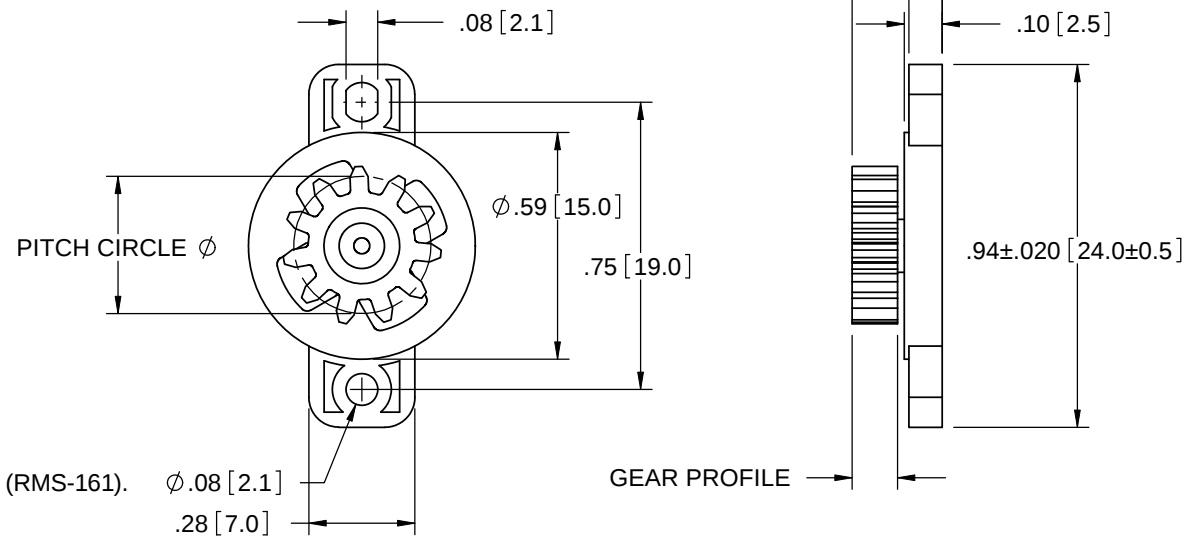


| GEAR SPECIFICATION |                |                |                |
|--------------------|----------------|----------------|----------------|
| GEAR (*)           | 1              | 2              | 3              |
| TYPE               | STANDARD SPUR  | STANDARD SPUR  | STANDARD SPUR  |
| TOOTH PROFILE      | INVOLUTE GEAR  | INVOLUTE GEAR  | INVOLUTE GEAR  |
| PRESSURE ANGLE     | 20°            | 20°            | 20°            |
| NUMBER OF TEETH    | 14             | 10             | 11             |
| PITCH CIRCLE DIA.  | Ø.28 [Ø7]      | Ø.39 [Ø10]     | Ø.35 [Ø8.8]    |
| GEAR PROFILE       | .15 [3.7]      | .12 [3.0]      | .14 [3.6]      |
| TOTAL PROFILE      | .26 [6.6] REF. | .23 [5.9] REF. | .26 [6.5] REF. |

| PART NO.      | TORQUE (gf.cm)<br>@ 20 RPM & 23°C |
|---------------|-----------------------------------|
| RFRT-G2-200G* | 20±7                              |
| RFRT-G2-300G* | 30±8                              |
| RFRT-G2-450G* | 45±10                             |
| RFRT-G2-600G* | 60±12                             |
| RFRT-G2-101G* | 100±20                            |



#### NOTES:

1. HOUSING MATERIAL: 94HB POLYCARBONATE (PC) (RMS-161).
2. SHAFT AND GEAR MATERIAL: ACETAL (RMS-160).
3. COLOR: BLACK.
4. COMPONENTS (INSIDE HOUSING):
  - A) SILICONE OIL (RMS-209)
  - B) O-RING: SILICONE RUBBER (RMS-210)

|      |                                                |       |          |
|------|------------------------------------------------|-------|----------|
| I    | SEE CO 200131 FOR CHANGES                      | SK    | 02/20/08 |
| H    | SEE ECN #1289 FOR CHANGES                      | SK    | 02/15/07 |
| G    | SEE ECN #1266 FOR CHANGES                      | SK    | 12/14/06 |
| F    | SEE ECN #1177 FOR CHANGES                      | SK    | 05/24/06 |
| E    | SEE ECN #967 FOR CHANGES                       | SK    | 03/18/05 |
| D    | SEE ECN #809 FOR CHANGES                       | SM    | 06/22/04 |
| C    | UPDATED DRAWING, PITCH CIR. DIA. 7 WAS DIA. 14 | RG    | 02/28/02 |
| B    | CORRECTED PART #TABLE                          | RG    | 01/29/02 |
| A    | RELEASED FOR PRODUCTION                        | RG    | 01/08/02 |
| REV. | DESCRIPTION                                    | ENGR. | DATE     |

TITLE:

## TWO WAY ROTARY DAMPER

CREATED USING  
SOLIDWORKS  
TOLERANCES  
UNLESS NOTED  
.XX=±.010  
.XXX=±.005  
FRAC.=±1/64  
ANG.=±1°

FILE #: RFRT-G2-XXXGX

DWN: DJZ

APP: -

SHEET: 1 OF 1

SHEET SIZE: A

DT: 12/06/01

CHKD: -

RE: RICHCO, INC.

RICHCO, INC.  
ENG@RICHCO-INC.COM  
(773) 539-4060



DWG IN  
IN [MM]



FINAL

PART #

SEE TABLE

PRINT  
TYPE  
CA

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

## Essentra:

[RFRT-G2-101-G1](#) [RFRT-G2-101-G2](#) [RFRT-G2-101-G3](#) [RFRT-G2-200-G1](#) [RFRT-G2-200-G2](#) [RFRT-G2-200-G3](#)  
[RFRT-G2-300-G1](#) [RFRT-G2-300-G2](#) [RFRT-G2-300-G3](#) [RFRT-G2-450-G1](#) [RFRT-G2-450-G2](#) [RFRT-G2-450-G3](#)  
[RFRT-G2-600-G1](#) [RFRT-G2-600-G2](#) [RFRT-G2-600-G3](#)